Abstract

A division means divides a program, in which a logic specification of a system is described in a single high-level language, into a hardware portion and a software portion based on division information which designates each portion of the program as either the hardware portion or the software portion. A storage means stores a program of the hardware portion and a program of the software portion which are divided by the division means. A first conversion means converts the program of the hardware portion stored in the storage means into a circuit specification. A second conversion means converts the program of the software portion stored in the storage means into an execute form module.